

TOSHIBA



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X300 Performance Hard Drives

Level up your drive performance

This 3.5-inch internal hard drive is designed for your professional or gaming PC – delivering reliable, large capacity, incredibly high-performance storage, made possible by a number of advanced features, including an ultra-high 512 MB (14 TB – 18 TB) buffer. It even features improved positional accuracy for stable recording. The X300 is ideal for PC gamers, graphic designers, and other users with demanding storage requirement.

Use for

- Powerful Desktop Workstations
- All-in-one PCs
- Gaming computers
- Home Media computers

Top Features

- SATA 3.5" SATA Hard Drive
- RPM 7,200 rpm
- 512 MB buffer (18 | 16 | 14 TB)
256 MB buffer (12 | 10 | 8 | 6 | 4 TB)
- Toshiba Stable Platter Technology
- Toshiba Dynamic Cache Technology

Capacities

18 TB	16 TB	14 TB	12 TB
10 TB	8 TB	6 TB	4 TB



X300

 Performance Hard Drives

	18 TB	16 TB	14 TB	14 TB	12 TB	10 TB	8 TB	6 TB	4 TB
Retail Number	-	-	HDWR51EEZSTA	HDWR31EEZSTA	HDWR21CEZSTA	HDWR11AEZSTA	HDWR480EZSTA	HDWR460EZSTA	HDWR440EZSTA
Bulk Number	HDWR51JUZSVA	HDWR31GUZSVA	HDWR51EUZSVA	HDWR31EUZSVA	HDWR21CUZSVA	HDWR11AUZSVA	HDWR480UZSVA	HDWR460UZSVA	HDWR440UZSVA

Basic Specifications

Form factor	3.5-inch
Interface	SATA 6.0 Gbit/s
Recording Technology	CMR
Native command queuing (NCQ)	supported
Shock Sensor	yes
Advanced Format (AF)	yes
RoHS compatible	yes
Halogen free	yes

Performance

Rotational speed (rpm)	7,200
Buffer size (MB)	512
Average latency (ms)	4.17

Reliability

MTTF (hours)	600,000
Unrecoverable error rate	1 per 10 ¹⁴
Limited warranty (years)	2

Power Management

Supply voltage	5 V DC +10%/-7 % 12 V DC ±10 %				5 V DC ±5 % 12 V DC ±10 %	5VDC+10%/-5% 12 V DC ±10 %	5 V DC ±5 % 12 V DC ±10 %		
Consumption (operating)	7.48 W typ.	6.91 W typ.	7.38 W typ.	6.91 W typ.	6.77 W typ.	9.48 W typ.	8.41 W typ.	7.72 W typ.	6.81 W typ.
Consumption (active idle)	4.14 W typ.	4.03 W typ.	3.77 W typ.	4.03 W typ.	4.54 W typ.	7.22 W typ.	5.61 W typ.	4.93 W typ.	4.00 W typ.

Environmental

Temperature (operating/ non-operating)	5 to 60 °C -40 to 70 °C
Vibration (operating)	7.35 m/s ² (0.75 G) (5 to 300 Hz) 2.45 m/s ² (0.25 G) (300 to 500 Hz)
Vibration (non-operating)	29.4 m/s ² {3.0 G} (5 to 500 Hz)
Shock (operating)	686 m/s ² {70 G} (2 ms duration)
Shock (non-operating)	2,450 m/s ² {250 G} (2 ms duration)
Acoustics (idle mode)	20 dB typ.

Physical

Dimensions	147 (L) x 101.85 (W) x 26.1 (H)
Weight	720 g